



## SAFETY DATA SHEET

### RUBICON

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

##### 1.1. Product identifier

Product name RUBICON  
Product number A044 EV  
Internal identification Janitorial - HSC Section

##### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Identified uses Heavy Duty, Alkaline Liquid Hard Surface Cleaner. & Degreaser

##### 1.3. Details of the supplier of the safety data sheet

Supplier Evans Vanodine International  
Brierley Road  
Walton Summit  
Preston. UK. PR5 8AH  
Tel: 01772 322 200  
Fax: 01772 626 000  
qclab@evansvanodine.co.uk

##### 1.4. Emergency telephone number

Emergency telephone New Safety Data Sheets - 8.30am to 4.45pm - 01772 322 200 - Mon to Fri. (Also available 24/7 from our website [www.evansvanodine.co.uk](http://www.evansvanodine.co.uk)) Technical Advice - 8.30am to 4.45pm - 01772 318 818 - Mon to Fri

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

###### Classification

###### Physical hazards

Not Classified

###### Health hazards

Skin Irrit. 2 - H315 Eye Dam. 1 - H318 Elicitation - EUH208

###### Environmental hazards

Aquatic Chronic 3 - H412

###### Classification (67/548/EEC or 1999/45/EC)

Xi;R36/38.

##### 2.2. Label elements

###### Pictogram



Signal word Danger

###### Hazard statements

**RUBICON**

EUH208 Contains ORANGE TERPENES. May produce an allergic reaction.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 IF SWALLOWED:

P313 Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P315 Get immediate medical advice/attention.

P501 Dispose of contents/container in accordance with local regulations.

**Contains**

SODIUM METASILICATE

**2.3. Other hazards**

This product does not contain any substances classified as PBT or vPvB.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

<b>SODIUM METASILICATE</b>		<b>3-5%</b>
CAS number: — EC number: —		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Corr. 1B - H314	C;R34. Xi;R36/38.	
Eye Dam. 1 - H318		
<b>SODIUM DODECYL BENZENE SULPHONATE</b>		<b>3-5%</b>
CAS number: 68411-30-3 EC number: 270-115-0		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R22. Xi;R36/38.	
Skin Irrit. 2 - H315		
Eye Dam. 1 - H318		
<b>ALCOHOL (C9-11) ETHOXYLATE (8EO)</b>		<b>1-3%</b>
CAS number: 68439-45-2 EC number: —		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Acute Tox. 4 - H302	Xn;R22. Xi;R41.	
Eye Dam. 1 - H318		
<b>SODIUM (C12-14) ALKYL ETHOXY SULPHATE</b>		<b>1-3%</b>
CAS number: 68891-38-3 EC number: —		
<b>Classification</b>	<b>Classification (67/548/EEC or 1999/45/EC)</b>	
Skin Irrit. 2 - H315	Xi;R36,R38.	
Eye Dam. 1 - H318		

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<b>ORANGE TERPENES</b>		<b>0.1-1%</b>
<b>CAS number:</b> 8028-48-6 <b>EC number:</b> 232-433-8 <b>M factor (Chronic) = 1</b>		
<b>Classification</b> Flam. Liq. 3 - H226 Skin Irrit. 2 - H315 Skin Sens. 1 - H317 Asp. Tox. 1 - H304 Aquatic Chronic 1 - H410	<b>Classification (67/548/EEC or 1999/45/EC)</b> Xn;R65. Xi;R38. R10,R52/53.	
<b>SODIUM HYDROXIDE</b>		<b>0.1-1%</b>
<b>CAS number:</b> 1310-73-2 <b>EC number:</b> 215-185-5 <b>REACH registration number:</b> 01-2119457892-27-xxxx		
<b>Classification</b> Met. Corr. 1 - H290 Skin Corr. 1A - H314	<b>Classification (67/548/EEC or 1999/45/EC)</b> C;R35	

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****Inhalation**

Unlikely route of exposure as the product does not contain volatile substances. If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing.

**Ingestion**

Do not induce vomiting. Give plenty of water to drink. Get medical attention.

**Skin contact**

Wash with plenty of water. Get medical attention promptly if symptoms occur after washing.

**Eye contact**

Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse. Get medical attention immediately.

**4.2. Most important symptoms and effects, both acute and delayed****General information**

The severity of the symptoms described will vary dependent on the concentration and the length of exposure.

**Inhalation**

Irritation of nose, throat and airway.

**Ingestion**

May cause discomfort if swallowed.

**Skin contact**

Causes skin irritation. Prolonged and frequent contact may cause redness and irritation.

**Eye contact**

Severe irritation, burning and tearing. Prolonged contact causes serious eye and tissue damage.

**4.3. Indication of any immediate medical attention and special treatment needed****Notes for the doctor**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

The product is not flammable. Use fire-extinguishing media suitable for the surrounding fire.

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### **5.2. Special hazards arising from the substance or mixture**

#### **Specific hazards**

Thermal decomposition or combustion products may include the following substances: Irritating gases or vapours.

### **5.3. Advice for firefighters**

#### **Special protective equipment for firefighters**

Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing.

## **SECTION 6: Accidental release measures**

### **6.1. Personal precautions, protective equipment and emergency procedures**

#### **Personal precautions**

Wear protective clothing, gloves, eye and face protection. For personal protection, see Section 8.

### **6.2. Environmental precautions**

#### **Environmental precautions**

Spillages or uncontrolled discharges into watercourses must be reported immediately to the Environmental Agency or other appropriate regulatory body.

### **6.3. Methods and material for containment and cleaning up**

#### **Methods for cleaning up**

Small Spillages: Flush away spillage with plenty of water. Large Spillages: Contain and absorb spillage with sand, earth or other non-combustible material. Collect and place in suitable waste disposal containers and seal securely.

### **6.4. Reference to other sections**

#### **Reference to other sections**

For personal protection, see Section 8.

## **SECTION 7: Handling and storage**

### **7.1. Precautions for safe handling**

#### **Usage precautions**

Wear protective clothing, gloves, eye and face protection.

### **7.2. Conditions for safe storage, including any incompatibilities**

#### **Storage precautions**

Keep only in the original container in a cool, well-ventilated place. Store away from the following materials: Oxidising materials. & Acids.

### **7.3. Specific end use(s)**

#### **Specific end use(s)**

The identified uses for this product are detailed in Section 1.2.

#### **Usage description**

See Product Information Sheet & Label for detailed use of this product.

## **SECTION 8: Exposure Controls/personal protection**

### **8.1. Control parameters**

#### **Occupational exposure limits**

#### **SODIUM HYDROXIDE**

Short-term exposure limit (15-minute): WEL 2 mg/m<sup>3</sup>

WEL = Workplace Exposure Limit

### **8.2. Exposure controls**

#### **Protective equipment**

**RUBICON****Appropriate engineering controls**

Not relevant.

**Eye/face protection**

Wear eye protection.

**Hand protection**

Wear protective gloves. (Household rubber gloves.)

**Other skin and body protection**

Wear appropriate clothing to prevent any possibility of skin contact.

**Respiratory protection**

Respiratory protection not required.

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**SECTION 9: Physical and Chemical Properties**

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**9.1. Information on basic physical and chemical properties****Appearance**

Liquid.

**Colour**

Clear. Red-brown.

**Odour**

Citrus.

**pH**

pH (concentrated solution): 13.10

**Melting point**

-1°C

**Initial boiling point and range**

101°C @ 760 mm Hg

**Flash point**

Boils without flashing.

**Relative density**

1.057 @ 20°C

**Solubility(ies)**

Soluble in water.

**9.2. Other information****Other information**

None.

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**SECTION 10: Stability and reactivity**

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**10.1. Reactivity**

Reactions with the following materials may generate heat: Strong acids.

**10.2. Chemical stability****Stability**

No particular stability concerns.

**10.3. Possibility of hazardous reactions**

See sections 10.1, 10.4 & 10.5

**10.4. Conditions to avoid**

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There are no known conditions that are likely to result in a hazardous situation.

### **10.5. Incompatible materials**

#### **Materials to avoid**

Strong acids.

### **10.6. Hazardous decomposition products**

No known hazardous decomposition products.

## **SECTION 11: Toxicological information**

### **11.1. Information on toxicological effects**

#### **Toxicological effects**

We have not carried out any animal testing for this product. Any ATE figures quoted below are from Toxicity Classifications that have been carried out using ATE (Acute Toxicity Estimate) Calculation Method using LD50 or ATE figures provided by the Raw Material Manufacturer.

#### **Other health effects**

Low oral toxicity, but ingestion may cause irritation of the gastro-intestinal tract.

### **Acute toxicity - oral**

#### **Notes (oral LD50)**

Based on available data the classification criteria are not met.

#### **ATE oral (mg/kg)**

17,054.48695543

## **SECTION 12: Ecological Information**

#### **Ecotoxicity**

Harmful to aquatic life with long lasting effects.

### **12.1. Toxicity**

We have not carried out any Aquatic testing, therefore we have no Aquatic Toxicity Data specifically for this product. The Aquatic Toxicity Data, where provided by the raw material manufacturer for ingredients with aquatic toxicity, can be made available on request.

### **12.2. Persistence and degradability**

#### **Persistence and degradability**

This product, at use dilutions, is readily broken down in biological effluent treatment plants.

### **12.3. Bioaccumulative potential**

The product does not contain any substances expected to be bioaccumulating.

### **12.4. Mobility in soil**

#### **Mobility**

Not known.

### **12.5. Results of PBT and vPvB assessment**

This product does not contain any substances classified as PBT or vPvB.

### **12.6. Other adverse effects**

Not known.

## **SECTION 13: Disposal considerations**

### **13.1. Waste treatment methods**

#### **Disposal methods**

Discharge used solutions to drain. Small amounts (less than 5 Litres) of unwanted product may be flushed with water to sewer. Larger volumes must be sent for disposal as special waste. Rinse out empty container with water and consign to normal waste.

## **SECTION 14: Transport information**

**RUBICON****14.1. UN number**

UN No. (ADR/RID) 3266  
 UN No. (IMDG) 3266  
 UN No. (ICAO) 3266

**14.2. UN proper shipping name**

Proper shipping name (ADR/RID) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate)

Proper shipping name (IMDG) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate)

Proper shipping name (ICAO) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate)

Proper shipping name (ADN) CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (disodium trioxosilicate)

**14.3. Transport hazard class(es)**

ADR/RID class Class 8 : Corrosive Substances.

ADR/RID label 8

IMDG class Class 8: Corrosive substances.

ICAO class/division Class 8: Corrosive substances.

ICAO subsidiary risk

Transport labels

**14.4. Packing group**

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

**14.5. Environmental hazards**

Environmentally hazardous substance/marine pollutant

No.

**14.6. Special precautions for user**

EmS

Emergency Action Code

Hazard Identification Number  
(ADR/RID)

Tunnel restriction code (E)

**14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code**

Not relevant. for a packaged product.

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU legislation**

Safety Data Sheet prepared in accordance with REACH Commission Regulation (EU) No 453/2010 (which amends Regulation (EC) No 1907/2006). The product is as classified under GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures. Ingredients are listed with classification under both CHIP - Directive 67/548/EEC - classification, packaging & labelling of dangerous substances & GHS/CLP- Regulation (EC) No 1272/2008 classification, labelling & packaging of substances & mixtures.

## RUBICON

### Guidance

Workplace Exposure Limits EH40.

### 15.2. Chemical safety assessment

No chemical safety assessment has been carried out as not applicable as this product is a mixture.

## SECTION 16: Other information

### Key literature references and sources for data

Material Safety Data Sheet, Misc. manufacturers. CLP Class - Table 3.1 List of harmonised classification and labeling of hazardous substances. CHIP Class - Table 3.2 The list of harmonised classification and labelling of hazardous substances from Annex I to Directive 67/548/EEC. ECHA - C&L Inventory database.

### Revision comments

New Formulation, leading to additional Hazard-Statements (Changes to sections 2,3,4,12&16

**Revision date** 19/08/2015

**Revision** Issue 6

**SDS status** The Risk Phrases / Hazard Statements listed below in this Section No 16 relate to the Raw Materials (Ingredients) in the Product (as listed in Section 3) and NOT the product itself. For the Risk Phrases / Hazard Statements relating to this Product see Section 2.

### Risk phrases in full

R22 Harmful if swallowed.  
R34 Causes burns.  
R35 Causes severe burns.  
R36 Irritating to eyes.  
R36/38 Irritating to eyes and skin.  
R38 Irritating to skin.  
R41 Risk of serious damage to eyes.

### Hazard statements in full

EUH208 Contains ORANGE TERPENES. May produce an allergic reaction.  
H226 Flammable liquid and vapour.  
H302 Harmful if swallowed.  
H304 May be fatal if swallowed and enters airways.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H410 Very toxic to aquatic life with long lasting effects.  
H412 Harmful to aquatic life with long lasting effects.